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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/287,296	04/07/1999	YEOGIRL YUN	20991.701	3718

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WILSON SONSINI GOODRICH & ROSATI  
650 PAGE MILL ROAD  
PALO ALTO, CA 943041050

EXAMINER

WASYLCHAK, STEVEN R

ART UNIT	PAPER NUMBER
3624	

DATE MAILED: 01/16/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/287,296

Applicant(s)

YUN ET AL.

Examiner

Steven R. Wasylchak

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 October 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)                      4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)                      5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_                      6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

**Response to Amendment**

1. Claims 1-21 are pending. This action is in response to amendment filed Oct. 25, 2002.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-21 rejected under 35 U.S.C. 102(b) as being anticipated by Herz et al (US 5,754,938)

As per claim 1,

A method of providing information about a product, the product available for purchase from a plurality of sources, the method comprising:

-receiving a selection of a product category from a predefined set of product categories using information about the product; / abstract ("objects" can be product categories; "target" gives information about the product; "identification" and "select" is selection); col 6, L 32-36; col 14, L 48-64; col 16, L 1-19; col 17, L 45-50; col 29, L 24-35; col 31, L 32 – 63; col 63, L 43-60; col 70, L 11-61; col 78, L 51-61; claims 18 and 36

-accessing a list of extraction parameters for the product category; / col 70, L 11-61

-receiving a selection of at least one extraction parameter in the list of extraction parameters; / col 70, L 11-61

-for each of the plurality of sources, creating a corresponding program including identifying a corresponding web site, the corresponding web site selling the product and / inherent in col 70, L 11-61

-providing a tool for creating the corresponding program to extract data from the web site using the at least one extraction parameter; / inherent in col 70, L 11-61

-receiving a connection from a client, the connection including a value for the at least one extraction parameter; and / abstract; col 70, L11-61; col 6, L32-36; col 14, L 48-64

-simultaneously providing for each of the plurality of sources in the product category, providing product information for the product using the value for the at least one extraction parameter and the corresponding program, / col 1, L 44 to col 2, L 2(simultaneously is automatic);col 70, L 11-61; col 14, L 48-64

-including:

when the product information includes product information for at least two sources of the plurality of sources, simultaneously providing the product information for the at least two sources of the plurality of sources. / col 1, L 44 to col 2, L 2 (simultaneously is automatic); col 70, L 11-61

As per claim 2,

The method of claim 1, wherein the providing the tool for creating the corresponding program to extract data from the corresponding web site using the at least one extraction parameter further comprises providing a graphical user interface tool for developing the corresponding program, the graphical user interface tool including a web browser. / inherent in col 70, L 11-61

As per claim 3,

The method of claim 2, wherein the graphical user interface tool further includes first tool, the first tool for developing an extraction pattern, the extraction pattern identifying a plurality of portions of a document on the corresponding web site. / inherent in col 70, L 11-61

As per claim 4,

The method of claim 3, further comprises:

- receiving a selection signal; / inherent in col 70, L 11-61; col 14, L 48-64
- applying the extraction pattern to find a matching pattern in a document displayed in a source view in the web browser; and/ fig 7; col 70, L 11-61
- displaying a rendered version of the matching pattern in a window. / col 70, L 11-61

As per claim 5,

The method of claim 3, wherein the graphical user interface tool further includes a plurality of predefined extraction patterns. / inherent in col 70, L 11-61

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As per claim 6,

The method of claim 5, wherein the plurality of predefined extraction patterns includes at least one of an extraction patterns includes for matching a hyperlink, an extraction pattern for matching a form, and an extraction pattern for matching a price. / col 14, L 48-64; col 70, L 11-61

As per claim 7,

The method of claim 3, wherein the graphical user interface tool further comprises:

- identifying a form on the document on the corresponding web site; / col 70, L 11-61

- creating a step in the corresponding program, the step to submit the form without retrieving the document; / inherent in col 70, L11-61

- generating a plurality of parameters associated with the step, the plurality of parameters corresponding to inputs in the form; and / abstract; inherent in col 70, L11-61

- identifying at least one of the plurality of parameters with the at least one extraction parameter. / abstract; inherent in col 70, L11-61

As per claim 8,

The method of claim 1, wherein the providing the tool for creating the corresponding program to extract data from the corresponding web site using the at least one extraction parameter further comprises defining a plurality of

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steps wherein at least one step in the plurality of steps interacts with the corresponding web site and operates on the results of the interaction. / inherent in col 70, L11-61

As per claim 9,

The method of claim 8, wherein the defining the plurality of steps comprises, for

each of the plurality of steps, receiving a selection of an extraction command from a predetermined list of extraction commands. / fig 8, 9, 10; inherent in col 70, L11-61

As per claim 10,

The method of claim 9, wherein the predetermined list of extraction commands includes extraction commands for retrieving multiple matches of an extraction pattern

from a document. / inherent in col 70, L 11-61

As per claim 11,

The method of claim 9, wherein the predetermined list of extraction commands includes extraction commands for extracting data from a first document and a second document, the first document including a reference to the second document. / inherent in col 70, L 11-61

As per claim 12.

The method of claim 9, wherein at least one step in the plurality of steps includes a

test condition comprising a logical test for at least one corresponding argument and a first step in the plurality of steps, and wherein the program continues executing at the first step if the logical test is satisfied. / inherent in col 70, L 11-61

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As per claim 13,

The method of claim 12, wherein the at least one corresponding argument includes an extraction pattern. / col 14, L 48-64; col 70, L 11-61

As per claim 14,

The method of claim 12, wherein the test condition further comprises a result code, wherein the program returns an error if the result code is a web site changed result code. / inherent in col 14, L 48-64; col 70, L 11-61

As per claim 15,

The method of claim 12, wherein the test condition further comprises a result code, wherein the program returns an error when the result code is a no matching products result code./ inherent in col 14, L 48-64; col 70, L 11-61

As per claim 16,

The method of claim 9, wherein the predetermined list of extraction commands includes extraction commands for segmenting a document into a plurality of units, each of the plurality of units matching an extraction pattern. / inherent in col 14, L 48-64; col 70, L 11-61

As per claim 17,

The method of claim 16, wherein at least one step in the plurality of steps uses an extraction command to segment a document into a plurality of units, and wherein the step further includes a test condition, the test condition comprising a logical test and at least one argument, and wherein for each of the plurality of units, the logical test is computed with the at least one argument, and the unit is removed from the plurality of



units if the logical test is not satisfied with the at least one argument. / fig 8,9,10;  
inherent in col 14, L 48-64; col 70, L 11-61

As per claim 18,

An apparatus for providing information about a product, the product available for  
purchase from a plurality of sources, the apparatus comprising:

- means for receiving a selection of a product category from a predefined set of  
product categories using information about the product; / abstract ("objects" can be  
product categories; "target" gives information about the product; "identification" and  
"select" is selection); col 6, L 32-36; col 14, L 48-64; col 16, L 1-19; col 17, L 45-50; col  
29, L 24-35; col 31, L 32 – 63; col 63, L 43-60; col 70, L 11-61; col 78, L 51-61; claims  
18 and 36

- means for accessing a list of extraction parameters for the product category; /  
col 70, L 11-61

- means for receiving a selection of at least one extraction parameter in the list of  
extraction parameters; / col 70, L 11-61

- means for creating a corresponding program for each of the plurality of sources,  
the means for creating a corresponding program for each of the plurality of  
sources including /inherent / col 70, L 11-61

- means for identifying a corresponding web site, the corresponding web site  
selling the product and /col 70, L 11-61

- means for creating the corresponding program to extract data from the web site  
using the at least one extraction parameter; / col 70, L 11-61

-means for receiving a connection from a client, the connection including a value for the at least one extraction parameter; and / abstract; col 70, L11-61; col 6, L 32-36; col 14, L 48-64

-means for simultaneously providing product information for the product from each of the plurality of sources using the value for the at least one extraction parameter and the corresponding program, / col 1, L 44 to col 2, L 2 (simultaneously is automatic);col 70, L 11-61; col 14, L 48-64

- when the product information includes product information for at least two sources of the plurality of sources, simultaneously providing the product information for the at least two sources of the plurality of sources. / col 1, L 44 to col 2, L 2(simultaneously is automatic);col 70, L 11-61

As per claim 19,

The apparatus of claim 18, wherein the means for creating a corresponding program to extract data from the web site includes means for selecting an instruction from a predetermined list of instructions. / fig 8,9; col 70, L11-61; col 6, L32-36; col 14, L 48-64

As per claim 20,

The apparatus of claim 18, wherein the means for creating a corresponding program to extract data from the web site includes means for developing an extractor pattern in a web browser. / fig 8,9; abstract; col 70, L11-61; col 6, L32-36; col 14, L 48-64

As per claim 21,

A computer data signal embodied in a carrier wave comprising:

- a computer program for developing descriptions of data of interest a set of instructions for developing an extractor pattern interactively in a web page; / abstract; col 70, L11-61; col 6, L32-36; col 14, L 48-64
- a set of instructions for receiving a selection of an instruction from a predefined set of instructions for inclusion of the instruction in the description of data of interest; / abstract; col 70, L11-61; col 6, L32-36; col 14, L 48-64
- a set of instructions for associating the extractor pattern with the instruction; and / abstract; col 70, L11-61; col 6, L32-36; col 14, L 48-64
- a set of instructions for testing the instruction using the extractor pattern and the contents of a buffer; / inherent in col 70, L 11-61; col 14, L 48-64
- a set of instructions for when at least two sources from a plurality of sources, simultaneously providing the product information for the at least two sources of the plurality of sources. / col 1, L 44 to col 2, L 2(simultaneously is automatic); col 70, L 11-61; col 14, L 48-64

This action is **NON-FINAL**. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven R. Wasylchak whose telephone number is (703) 308-2848. The examiner can normally be reached on Monday-Thursday from 8:00 a.m. to 6:00 p.m. EST.

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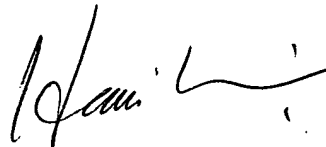
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin, can be reached at (703) 308-1065. The fax number for Art Unit 3624 is (703) 305-7687.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.

Steven Wasylchak



1/10/03



**HANI M. KAZIMI**  
**PRIMARY EXAMINER**